

What is claimed is:

1 1. A laundry drier having a heater control circuit, the heater control circuit
2 comprising:

3 a heater for being driven by a plurality of high voltages via a plurality of heater
4 drivers;

5 a microcomputer for outputting a control signal according to a user input, the control
6 signal determining the high voltage drive of said heater; and

7 a heater control interface for generating a plurality of heater control signals
8 corresponding to the plurality of high voltages, based on the control signal of said
9 microcomputer, the plurality of heater control signals selectively enabling only one of the
10 plurality of heater drivers.

1 2. The apparatus as claimed in claim 1, wherein the plurality of heater drivers
2 consists of enabled and disabled heater drivers.

1 3. The apparatus as claimed in claim 2, wherein said heater control interface
2 comprises a switching circuit for selectively outputting only one of the plurality of heater
3 control signals as a first logic level signal for enabling only one of the plurality of heater
4 drivers.

1 4. The apparatus as claimed in claim 3, wherein said switching circuit outputs a
2 second logic level signal to the disabled heater drivers.

1 5. The apparatus as claimed in claim 3, wherein said switching circuit
2 comprises a form C contact relay.

1 6. The apparatus as claimed in claim 1, wherein the outputted control signal of
2 said microcomputer is output from a plurality of logical output ports.

1 7. The apparatus as claimed in claim 6, further comprising a current buffer
2 having outputs corresponding to logic states the plurality of logical output ports of said
3 microcomputer.

1 8. The apparatus as claimed in claim 6, wherein the control signal output
2 comprises first and second output ports, the first output port having a logic state determining
3 the high voltage drive of said heater and the second output port held at a fixed value.

1 9. The apparatus as claimed in claim 8, wherein the fixed value of the second
2 output port of said microcomputer is a logic low.